



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ ; A01N 43/04, A61K 31/70		A1	(11) International Publication Number: WO 98/43478
			(43) International Publication Date: 8 October 1998 (08.10.98)
(21) International Application Number: PCT/US98/06371 (22) International Filing Date: 1 April 1998 (01.04.98) (30) Priority Data: 08/833,457 1 April 1997 (01.04.97) US 08/881,227 24 June 1997 (24.06.97) US 08/902,615 29 July 1997 (29.07.97) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications US 08/833,457 (CON) Filed on 1 April 1997 (01.04.97) US 08/881,227 (CON) Filed on 24 June 1997 (24.06.97) US 08/902,615 (CON) Filed on 29 July 1997 (29.07.97) (71) Applicants (for all designated States except US): MERIEUX ORAVAX SOCIETE EN NOM COLLECTIF PASTEUR MERIEUX SERUMS ET VACCINS S.A. [FR/FR]; 58, avenue Leclerc, F-69007 Lyon (FR). HUMAN GENOME SCIENCE, INC. [-/US]; 9410 Key West Avenue, Rockville, MD 20850 (US).		(72) Inventors; and (75) Inventors/Applicants (for US only): KLEANTHOUS, Harold [GB/US]; 89 Madison Avenue, Newtonville, MA 02160 (US). AL-GARAWI, Amal [SA/US]; 32 Garrison Street #4501, Boston, MA 02114 (US). MILLER, Charles [US/US]; 32 Maple Avenue, Medford, MA 02155 (US). TOMB, Jean-François [-/US]; 3501 St. Paul Street, Baltimore, MD 21222 (US). OOMEN, Raymond, Peter [CA/CA]; R.R. #1, 5400 Lloydtown-Aurora Sideroad, Schomberg, Ontario L0G 1T0 (CA). (74) Agent: CLARK, Paul, T.; Clark & Elbing LLP, 176 Federal Street, Boston, MA 02110-2214 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.	
(54) Title: IDENTIFICATION OF POLYNUCLEOTIDES ENCODING NOVEL <i>HELICOBACTER</i> POLYPEPTIDES IN THE <i>HELICOBACTER</i> GENOME			
(57) Abstract			
The invention provides <i>Helicobacter</i> polypeptides that can be used in vaccination methods for preventing or treating <i>Helicobacter</i> infection, and polynucleotides that encode these polypeptides. The invention also provides diagnostic methods employing these polypeptides.			